Refine Search

Search Results -

Term	Documents
GEOTAXIS	24
GEOTAXI	0
ASSAY	213005
ASSAYS	141067
((GEOTAXIS ADJ ASSAY) AND 3).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	4
(L3 AND (GEOTAXIS ADJ ASSAY)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	4

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L8

Refine Search

Recall Text | Clear | Interrupt

Search History

DATE: Wednesday, September 21, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=AND			
L8	L3 and (geotaxis adj assay)	4	L8
L7	L6 and (geotaxis adj assay)	0	L7
L6	L4 not L5	30	L6
L5	L4 and (epigenetic or epigenetically or inheritable or inheritably)	6	L5
L4	L3 and (F1 and F2)	36	L4

L3	L2 and ((neuroactive adj drug) or psychostimulant or cocaine or nicotine or strychnine or pentylenetetrazol or tetraethylammoninum or (lithium adj carbonate))	772	L3
L2	(Drosophila) or (fruit adj (flies or fly))	20825	L2
L1	Sharma-Abhay.in.	9	L1

END OF SEARCH HISTORY

PALM INTRANET

Day : Wednesday

Date: 9/21/2005
Time: 14:25:23

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
Sharma	Abhay	Search

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page

```
                    Welcome to DialogClassic Web(tm)
 Dialog level 05.06.01D
Last logoff:  19sep05 13:38:04
Logon file001 21sep05 13:46:32
        *** ANNOUNCEMENT ***
                  ***
--UPDATED: Important Notice to Freelance Authors--
See HELP FREELANCE for more information
                  ***
NEW FILES RELEASED
***Computer and Information Systems Abstracts (File 56)
***Electronics and Communicationss Abstracts (File 57)
***Solid State and Superconductivity Abstracts (File 68)
***ANTE: Abstracts in New Technologies (File 60)
***Civil Engineering Abstracts (File 61)
***Aluminium Industry Abstracts (File 33)
***Ceramic Abstracts/World Ceramic Abstracts (File 335)
***CSA Life Sciences Abstracts (File 24)
***Corrosion Abstracts (File 46)
***Materials Business File (File 269)
***Engineered Materials Abstracts (File 293)
***CSA Aerospace & High Technology Database (File 108)
***CSA Technology Research Database (File 23)
***METADEX(r) (File 32)
***FDAnews (File 182)
***German Patents Fulltext (File 324)                    ***
RESUMED UPDATING
***Canadian Business and Current Affairs (262)
***CorpTech (559)
                  ***
Chemical Structure Searching now available in Prous Science Drugs
of the Future (F453), IMS R&D Focus (F445), Beilstein Facts (F390),
and Derwent Chemistry Resource (F355).
                  ***
     >>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
     >>>    of new databases, price changes, etc.      <<<
                  ****
KWIC is set to 50.
HILIGHT set on as ' '
 * * *

File   1:ERIC 1966-2004/Jul 21
       (c) format only 2004 Dialog
 *File   1: Updates suspended until Q4 2005.

      Set  Items  Description
      ---  -----  -----------
Cost is in DialUnits
?

B 155, 159, 5, 73
       21sep05 13:46:54 User259876 Session D800.1
            $0.80    0.228 DialUnits File1
     $0.80  Estimated cost File1
     $0.10  INTERNET
     $0.90  Estimated cost this search
     $0.90  Estimated total session cost   0.228 DialUnits

SYSTEM:OS  - DIALOG OneSearch
  File 155:MEDLINE(R) 1951-2005/Sep 21
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         (c) format only 2005 Dialog
  File 159:Cancerlit 1975-2002/Oct
         (c) format only 2002 Dialog
 *File 159: Cancerlit is no longer updating.
Please see HELP NEWS159.
  File   5:Biosis Previews(R) 1969-2005/Sep W3
         (c) 2005 BIOSIS
  File  73:EMBASE 1974-2005/Sep 21
         (c) 2005 Elsevier Science B.V.

      Set  Items  Description
      ---  -----  -----------
?

S (DROSOPHILA) OR (FRUIT (W) (FLY OR FLIES))
          165183  DROSOPHILA
          123338  FRUIT
           50935  FLY
           37534  FLIES
            7911  FRUIT(W)(FLY OR FLIES)
      S1  169845  (DROSOPHILA) OR (FRUIT (W) (FLY OR FLIES))
?

S S1 AND ((NEUROACTIVE (W) DRUG) OR PSYCHOSTIMULANT OR COCAINE OR NICOTINE OR STRYCH
OR (LITHIUM (W) CARBONATE))
Processing
          169845  S1
            6045  NEUROACTIVE
         9165489  DRUG
              62  NEUROACTIVE(W)DRUG
            5762  PSYCHOSTIMULANT
           77456  COCAINE
           64944  NICOTINE
           14989  STRYCHNINE
            5485  PENTYLENETETRAZOL
           18341  TETRAETHYLAMMONIUM
           88370  LITHIUM
           65378  CARBONATE
           10666  LITHIUM(W)CARBONATE
      S2     399  S1 AND ((NEUROACTIVE (W) DRUG) OR PSYCHOSTIMULANT OR
                  COCAINE OR NICOTINE OR STRYCHNINE OR PENTYLENETETRAZOL OR
                  TETRAETHYLAMMONIUM OR (LITHIUM (W) CARBONATE))
?

S S2 AND (GEOTAXIS OR GEOTATIC)
             399  S2
             848  GEOTAXIS
               0  GEOTATIC
      S3       3  S2 AND (GEOTAXIS OR GEOTATIC)
?

RD
...completed examining records
      S4       2  RD (unique items)
?

T S4/3,K/ALL

  4/3,K/1     (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
```

12776794 PMID: 10704411
Dopamine modulates acute responses to cocaine , nicotine□and ethanol□ **in** Drosophila .
Bainton R J; Tsai L T; Singh C M; Moore M S; Neckameyer W S; Heberlein U
Department of Anesthesia, University of California San Francisco, California 94143-0452, USA.
Current biology - CB (ENGLAND) Feb 24 2000, 10 (4) p187-94, ISSN 0960-9822 Journal Code: 9107782
Contract/Grant No.: AA10035; AA; NIAAA; GM08440; GM; NIGMS
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Dopamine modulates acute responses to cocaine , nicotine□and ethanol□ **in** Drosophila .
... mechanisms by which dopamine regulates acute drug responses and addiction remain unknown. RESULTS: We present evidence that dopamine plays a role in the responses of **Drosophila** to **cocaine** ,□nicotine□or ethanol. We used a startle-induced negative **geotaxis** assay and a locomotor tracking system to measure the effect of psychostimulants on fly behavior. Using these assays, we show that acute responses to **cocaine** and **nicotine** are blunted by pharmacologically induced reductions in dopamine levels. **Cocaine** and **nicotine** showed a high degree of synergy in their effects, which is consistent with an action through convergent pathways. In addition, we found that dopamine is involved in the acute locomotor-activating effect, but not the sedating effect, of ethanol. CONCLUSIONS: We show that in **Drosophila** , as in mammals, dopaminergic pathways play a role in modulating specific behavioral responses to **cocaine** , **nicotine** or ethanol. We therefore suggest that□Drosophila□ can be used as a genetically tractable model system in which to study the mechanisms underlying behavioral responses to multiple drugs of abuse.
Descriptors: ***Cocaine** --metabolism--ME; *Dopamine--metabolism--ME; *Ethanol--metabolism--ME; * **Nicotine** --metabolism--ME; Animals; Behavior, Animal; Dopamine--physiology--PH; **Drosophila** --metabolism--ME
Chemical Name: **Cocaine** ; Dopamine; **Nicotine** ; Ethanol

4/3,K/2 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0013247939 BIOSIS NO.: 200100419778
Studying drug abuse in Drosophila
AUTHOR: Wolf Fred (Reprint); Rodan Aylin; Heberlein Ulrike (Reprint)
AUTHOR ADDRESS: Dept. Anatomy, University of California San Francisco, San Francisco, CA, USA**USA
JOURNAL: Development Growth and Differentiation 43 (Supplement): pS27 July, 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 14th International Congress of Developmental biology Kyoto, Japan July 08-12, 2001; 20010708
SPONSOR: International Society of Developmental Biology
Japanese Society of Developmental Biologists
ISSN: 0012-1592
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation

```
LANGUAGE: English

 Studying drug abuse in Drosophila
...REGISTRY NUMBERS: cocaine  ; ...

... nicotine
DESCRIPTORS:
  ORGANISMS: Drosophila (Diptera)
  CHEMICALS & BIOCHEMICALS:   cocaine  --...

... nicotine  --
  MISCELLANEOUS TERMS:    ... geotaxis  ;
?


Set     Items   Description
S1     169845   (DROSOPHILA) OR (FRUIT (W) (FLY OR FLIES))
S2        399   S1 AND ((NEUROACTIVE (W) DRUG) OR PSYCHOSTIMULANT OR COCAI-
                NE OR NICOTINE OR STRYCHNINE OR PENTYLENETETRAZOL OR TETRAETH-
                YLAMMONIUM OR (LITHIUM (W) CARBONATE))
S3          3   S2 AND (GEOTAXIS OR GEOTATIC)
S4          2   RD (unique items)
?

S S2 AND (EPIGENETIC OR EPIGENETICALLY OR INHERITABLE OR INHERITABLY)
             399  S2
           17219  EPIGENETIC
             968  EPIGENETICALLY
            1587  INHERITABLE
              12  INHERITABLY
      S5       0  S2 AND (EPIGENETIC OR EPIGENETICALLY OR INHERITABLE OR
                  INHERITABLY)
?

S S2 AND ((PARENT OR GRAND) (W) PROGENIES)
             399  S2
          195453  PARENT
           17842  GRAND
            8007  PROGENIES
               2  (PARENT OR GRAND)(W)PROGENIES
      S6       0  S2 AND ((PARENT OR GRAND) (W) PROGENIES)
?

S (BEHAVIOR OR LOCOMOTOR) (S) (ALTERED OR CHANGE)
         1833986  BEHAVIOR
           55609  LOCOMOTOR
          503700  ALTERED
         1276397  CHANGE
      S7   56040  (BEHAVIOR OR LOCOMOTOR) (S) (ALTERED OR CHANGE)
?

S S7 AND S2
           56040  S7
             399  S2
      S8       8  S7 AND S2
?

RD
...completed examining records
      S9       3  RD (unique items)
```

?

T S9/3,K/ALL

9/3,K/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

16337865 PMID: 15550987
Lmo mutants reveal a novel role for circadian pacemaker neurons in cocaine -induced behaviors.
Tsai Linus T-Y; Bainton Roland J; Blau Justin; Heberlein Ulrike
Department of Anatomy, Program in Neuroscience and Medical Science Training Program, University of California, San Francisco, USA.
PLoS biology (United States) Dec 2004, 2 (12) pe408, ISSN 1545-7885 Journal Code: 101183755
Contract/Grant No.: KO8 DA 444906 33821; DA; NIDA; R01 AA 10035; AA; NIAAA; R01 AA 13105; AA; NIAAA; R21 DA14809; DA; NIDA
Publishing Model Print-Electronic
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: In Process

Lmo mutants reveal a novel role for circadian pacemaker neurons in cocaine -induced behaviors.
Drosophila has been developed recently as a model system to investigate the molecular and neural mechanisms underlying responses to drugs of abuse. Genetic screens for mutants with **altered** drug-induced behaviors thus provide an unbiased approach to define novel molecules involved in the process. We identified mutations in the **Drosophila** LIM-only (LMO) gene, encoding a regulator of LIM-homeodomain proteins, in a genetic screen for mutants with **altered** **cocaine** sensitivity. Reduced Lmo function increases behavioral responses to **cocaine** , while Lmo overexpression causes the opposite effect, reduced **cocaine** responsiveness. Expression of Lmo in the principal **Drosophila** circadian pacemaker cells, the PDF-expressing ventral lateral neurons (LN(v)s), is sufficient to confer normal **cocaine** sensitivity. Consistent with a role for Lmo in LN(v)function,Lmomutants also show defects in circadian rhythms of **behavior** . However, the role for LN(v)s in modulating **cocaine** responses is separable from their role as pacemaker neurons: ablation or functional silencing of the LN(v)s reduces **cocaine** sensitivity, while loss of the principal circadian neurotransmitter PDF has no effect. Together, these results reveal a novel role for Lmo in modulating acute **cocaine** sensitivity and circadian **locomotor** rhythmicity, and add to growing evidence that these behaviors are regulated by shared molecular mechanisms. The finding that the degree of **cocaine** responsiveness is controlled by the **Drosophila** pacemaker neurons provides a neuroanatomical basis for this overlap. We propose that Lmo controls the responsiveness of LN(v)s to **cocaine** , which in turn regulate the flies' behavioral sensitivity to the drug.

9/3,K/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

14537540 PMID: 12490253
Drugs, flies, and videotape: the effects of ethanol and cocaine **on** Drosophila **locomotion.**

Rothenfluh Adrian; Heberlein Ulrike
Department of Anatomy, University of California at San Francisco, 513 Parnassus Avenue, 94143-0452, USA. adrianr@itsa.ucsf.edu
Current opinion in neurobiology (England) Dec 2002, 12 (6) p639-45, ISSN 0959-4388 Journal Code: 9111376
Publishing Model Print
Document type: Journal Article; Review; Review, Tutorial
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Drugs, flies, and videotape: the effects of ethanol and cocaine **on** Drosophila **locomotion.**

Drosophila melanogaster has been introduced recently as a model organism in which to study the mechanisms by which drugs of abuse **change behavior** and by which the nervous system changes upon repeated drug exposure. Surprising similarities between flies and mammals have begun to emerge at the behavioral, neurochemical...

Descriptors: ***Cocaine** --pharmacology--PD; *Ethanol--pharmacology--PD; *Locomotion--drug effects--DE; Animals; Behavior, Animal--drug effects--DE; Circadian Rhythm--physiology--PH; Cyclic AMP--metabolism--ME; Dopamine --metabolism--ME; **Drosophila** melanogaster; Drug Tolerance--physiology--PH
Chemical Name: **Cocaine** ; Dopamine; Cyclic AMP; Ethanol

9/3,K/3 (Item 3 from file: 155)

12282127 PMID: 9593105

Activating properties of cocaine **and cocaethylene in a behavioral preparation of** Drosophila **melanogaster.**

Torres G; Horowitz J M
Department of Psychology, State University of New York at Buffalo, 14260, USA. gtorres@acsu.buffalo.edu
Synapse (New York, N.Y.) (UNITED STATES) Jun 1998, 29 (2) p148-61, ISSN 0887-4476 Journal Code: 8806914
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Activating properties of cocaine **and cocaethylene in a behavioral preparation of** Drosophila **melanogaster.**

The use of **Drosophila** as a model to study the behavioral consequences of stimulant drugs was analyzed in an active preparation of decapitated **Drosophila** . Application of **cocaine** and cocaethylene to discrete nerve cord cells regulating motor programs of **behavior** produced striking patterns of behavioral activity in a concentration-related manner. In general, intense circling **behavior** and significant wing buzzing activity were distinguishable behavioral markers in flies treated with mM concentrations of **cocaine** or cocaethylene. The significant changes in motor **behavior** induced by stimulant drugs in decapitated flies were not reproduced by the application of apomorphine, a direct dopamine (DA) agonist, or octopamine, a naturally occurring transmitter in arthropods. Because both **cocaine** and cocaethylene interfere with DA reuptake in mammals, we characterized the role of DA receptors mediating increased stereotypy and motor **behavior** in flies. Coadministration of SCH-23390, a specific D1 receptor antagonist, significantly attenuated the **behavior**

-activating properties of **cocaine** and cocaethylene in this active experimental preparation. Therefore, the receptor protein mediating the behavioral responses to stimulant drugs in **Drosophila** is pharmacologically similar to the mammalian D1 subtype. In rats, **cocaine** - and cocaethylene-induced behavioral activity is complex, with increasing evidence that the D1 receptor interacts significantly with N-methyl-D-aspartate (NMDA) receptor pathways to produce an **altered** behavioral phenotype. To further characterize additional receptor subtypes targeted by the actions of **cocaine** and cocaethylene, we pretreated flies with MK-801 and dextromethorphan. Both of these drugs are potent, selective noncompetitive NMDA receptor antagonists. Interestingly, MK-801 and dextromethorphan profoundly reduced the **behavior** -activating properties of **cocaine** and cocaethylene in **Drosophila** . Therefore, as in rats, the NMDA (and D1) receptor pathways in this arthropod represent obligatory targets for the behavioral effects of stimulant drugs.

Descriptors: *Behavior, Animal--drug effects--DE; * **Cocaine** --analogs and derivatives--AA; *Dopamine Uptake Inhibitors--pharmacology--PD; * **Drosophila** melanogaster--physiology--PH; Adrenergic alpha-Agonists --pharmacology--PD; Animals; **Cocaine** --pharmacology--PD; Dopamine Agonists --pharmacology--PD; Microscopy, Electron, Scanning; Motor Activity--drug effects--DE; Nervous System--drug effects--DE; Nervous System --ultrastructure--UL; Receptors, Dopamine...

Chemical Name: Adrenergic alpha-Agonists; Dopamine Agonists; Dopamine Uptake Inhibitors; Receptors, Dopamine D1; **Cocaine** ; cocaethylene

?

Set	Items	Description
S1	169845	(DROSOPHILA) OR (FRUIT (W) (FLY OR FLIES))
S2	399	S1 AND ((NEUROACTIVE (W) DRUG) OR PSYCHOSTIMULANT OR COCAINE OR NICOTINE OR STRYCHNINE OR PENTYLENETETRAZOL OR TETRAETHYLAMMONIUM OR (LITHIUM (W) CARBONATE))
S3	3	S2 AND (GEOTAXIS OR GEOTATIC)
S4	2	RD (unique items)
S5	0	S2 AND (EPIGENETIC OR EPIGENETICALLY OR INHERITABLE OR INHERITABLY)
S6	0	S2 AND ((PARENT OR GRAND) (W) PROGENIES)
S7	56040	(BEHAVIOR OR LOCOMOTOR) (S) (ALTERED OR CHANGE)
S8	8	S7 AND S2
S9	3	RD (unique items)

?

COST

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       21sep05 13:56:17 User259876 Session D800.2
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               $0.88  4 Type(s) in Format  3
            $0.88  4 Types
     $3.06  Estimated cost File155
            $0.55    0.176 DialUnits File159
     $0.55  Estimated cost File159
            $3.86    0.654 DialUnits File5
               $0.16  1 Type(s) in Format 95 (KWIC)
            $0.16  1 Types
     $4.02  Estimated cost File5
           $13.39    1.260 DialUnits File73
    $13.39  Estimated cost File73
            OneSearch, 4 files,  2.731 DialUnits FileOS
     $2.66  INTERNET
    $23.68  Estimated cost this search
    $24.58  Estimated total session cost   2.959 DialUnits
```